

> d his

(FILE 'USPAT' ENTERED AT 08:35:39 ON 10 FEB 97)

SET PAGE SCROLL

L1 66478 S SLIT  
L2 77063 S EYE OR CORNEA  
L3 4228 S L1 AND L2  
L4 2435 S L3 AND ROTAT?  
L5 1506 S L4 AND PROJECT?  
L6 117 S L5 AND ANTERIOR

=> file Jp

FILE 'JPOABS' ENTERED AT 09:09:19 ON 10 FEB 97

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\* J A P A N E S E P A T E N T A B S T R A C T S \*  
\*  
\* CURRENTLY, DATA IS LOADED THROUGH THE ABSTRACT PUBLICATION \*  
\* DATE OF July 1996. \*  
\* THE LATEST GROUPS RECEIVED ARE: PAJ539 & PAJ540. \*  
\* \* \* \* \*

=> s slit

L7 30632 SLIT

=> s l7 and (cornea or eye)

721 CORNEA

8190 EYE

L8 178 L7 AND (CORNEA OR EYE)

=> s l8 and rotat?

369156 ROTAT?

L9 19 L8 AND ROTAT?

=> s l9 and project?

181496 PROJECT?

L10 8 L9 AND PROJECT?

=> s l10 and anterior

225 ANTERIOR

L11 1 L10 AND ANTERIOR

=> d l11

1. 01-285242, Nov. 16, 1989, APPARATUS FOR IMAGING CROSS-SECTION OF  
ANTERIOR PART; KAZUYUKI SASAKI, et al., A61B 3/12; A61B 3/10

=> d l11 all

01-285242

Nov. 16, 1989

L11: 1 of 1

APPARATUS FOR IMAGING CROSS-SECTION OF ANTERIOR PART

INVENTOR: KAZUYUKI SASAKI, et al. (1)

ASSIGNEE: NIDEK CO LTD, et al. (30)

APPL NO: 63-115434

DATE FILED: May 12, 1988

PATENT ABSTRACTS OF JAPAN

ABS GRP NO: C0685

ABS VOL NO: Vol. 14, No. 63  
ABS PUB DATE: Feb. 6, 1990  
INT-CL: A61B 3/12; A61B 3/10

## ABSTRACT:

PURPOSE: To efficiently form fine slit beam, by providing a laser beam source, a slit projection optical system for forming laser beam into a slit shape and a means for rotating the slit beam around the apex of the cornea.

CONSTITUTION: After alignment is finished, laser beam is allowed to irradiate. The laser beam emitted from a laser head 1 passes through a band-pass filter 2 and is subsequently turned in its direction by a mirror 3 to be incident to a galvano-mirror 4. By vibrating the galvano-mirror 4, slit like scanning is performed by the laser beam. Next, the laser beam is turned in its direction by a prism 6 through a image rotator 5 and subsequently condensed to an anterior part by a condensing lens 7. When the laser beam is incident to the anterior part, scattering is generated by the cornea and the eye lens and this scattering beam is condensed by an imaging lens 22 to be formed into an image on the beam receiving surface 23 of a CCD camera. The taken cross-sectional image is stored in the memory connected to the CCD camera to be displayed on a monitor TV. The laser beam emitted from a beam source is enlarged to a proper size by an expander optical system and subsequently contracted only in one direction by a cylindrical lens and formed into a slit shape to be allowed to irradiate.h

=> d 110 all 1-8

08-206079

Aug. 13, 1996  
OPHTHALMOLOGICAL DEVICE

L10: 1 of 8

INVENTOR: YOSHI KOBAYAKAWA  
ASSIGNEE: CANON INC  
APPL NO: 07-35987  
DATE FILED: Jan. 31, 1995  
PATENT ABSTRACTS OF JAPAN  
ABS GRP NO:  
ABS VOL NO:  
ABS PUB DATE:  
INT-CL: A61B 3/113; A61B 3/10; A61B 3/12

## ABSTRACT:

PURPOSE: To effectively lead a light flux from a light source to an eyeground through a columnar lens.

CONSTITUTION: An infrared beam of light emitted by a laser diode 9 is image formed by a convex columnar lens 8 on an image formation surface P3 as a linear flux image stretching perpendicularly to the plane in which illustration is made, image formed in a dot form in the center of a slit provided in a mirror 4, reflected by a galvanometric mirror 2, and projected on the eyeground Er as a linear flux image upon dot-form image formation on the pupil Ep of the eye to be inspected. When the galvanometric mirror 2 is rotated, the eyeground Er is scanned in one direction by the linear flux image centering on the image formed position on the pupil Ep. The reflected beam of light returns following the same route,